

Cellular Delivery and Activation of Polypeptide-Nucleic Acid Complexes

ABSTRACT OF THE DISCLOSURE

In general, the present invention provides compositions for the cellular delivery of nucleic acids, polypeptides and/or flourophores, molecular complexes comprising fluorescent molecules or moieties, nucleic acids and polypeptides, and methods of making and using such compositions. Light-activated dispersal of the complexes leads to the intracellular release of one or more nucleic acids and/or peptides from the compositions or complexes. The biological activities of nucleic acids, polypeptides and flourophores may be repressed within the complexes, and these activities are restored upon release from the complexes.